

GEL'TSER, F.; OENDINA, S.; MIKHAYLOV, M.

Development of the mycorhiza of pine trees. Nauka i pered. op  
v sel'khoz 9 no.5:59-60 My '59. (MIRA 12:8)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo  
instituta sel'skokhozyaystvennoy mikrobiologii.  
(Mycorhiza) (Pine)

GEL'TSER, F. Yu., Doc Biol Sci -- (diss) "Humus -- its formation and properties." Moscow, 1960. 25 pp; (Moscow Order of Lenin Agricultural Academy in K. A. Timiryazev); 150 copies; price not given; list of authors' work at end of text (20 entries); (KL, 25-60, 128)

OSL'TSER, F.Yu.

Formation of humus in main soil types. Zemel'delie 8 no.2:  
44-49 F '60. (MIRA 13:5)  
(Humus)

GEL'TSER, F.Yu.

Significance of biological nitrogen fixation in the development  
of humus in soil. Agrobiologiya no.4:588-594 J1-Ag '61.  
(MIRA 14:7)

1. Moskovskoye otdeleniye Vsesoyuznogo instituta  
sel'skokhozyaystvennoy mikrobiologii.  
(Micro-organisms, Nitrogen-fixing)  
(Humus)

GEL'TSER, F.Ya.

Origin of the endotrophic mycorrhiza of plants. Mikrobiologiya  
31 no.4:662-668 J1-Ag '62. (MIRA 18:3)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo  
instituta sel'skokhozyaystvennoy mikrobiologii.

GEL'TSER, F.Yu.

All-Union Conference on Agricultural Microbiology. Zemledeli  
25 no.6:88-90 Je '63. (MIRA 16:7)

(Agricultural microbiology—Congresses)

GEL'TSER, F.Yu.

Recent discoveries on the nitrogen fixing ability of plants.  
Zemledelie 25 no.10:58-63 O '63. (MIRA 16:11)

1. Moskovskoye otdeleniye Vsesoyuznogo instituta sel'skokhozyaystvennoy mikrobiologii.

GEL'TSER, F.Yu. kand. sel'skokhoz. nauk

Soil fertility in the light of modern concepts. Agrobiologiya  
no.2:286-294 Mr-Apr '64. (MIRA 17:6)

1. Moskovskoye otdeleniye Vsesoyuznogo nauchno-issledovatel'-  
skogo instituta sel'skokhozyaystvennoy mikrobiologii.





GEL'TSER, S.I., inzh.

From practices in the assembly of the head specimen of the PVK-200-1 turbine unit at the Southern Ural State Regional Electric Power Plant. Energ.stroi. no.25:18-25 '61. (MIRA 15:4)

1. Mosenergoemont.

(Ural Mountain region--Electric power plants--Design and construction)

DOBROVOL'SKIY, G.V.; GEL'TSER, Yu.G.

Soil fauna studies in the Klyaz'ma River flood plain. Vest.  
Mosk.un.Ser.biol.,pochv.,geol.,geog. 13 no.4:81-91 '58.  
(MIRA 12:4)

1. Kafedra pochvovedeniya Moskovskogo universiteta.  
(Klyaz'ma Valley--Soil fauna)

GEL'TSER, Yu.G.

Method for direct observations of soil amoebae in the rhizosphere of plants. Nauch.dokl.vys.shkoly: biol.nauki no.4:195-200 '60.

(MIRA 13:11)

1. Rekomendovana kafedroy biologii pochv Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

(AMOEBAS)

(RHIZOSPHERE MICROBIOLOGY)

GEL'TSER, Yu.G.

Soil protozoans and methods for their detection. Usp. sovr. biol. 53  
no.2:237-245 Mr-Apr '62. (MIRA 15:5)  
(PROTOZOA) (SOIL MICRO-ORGANISMS)

GEL'TSER, R.R.; LEPERT, Z.S.

Certain biologic properties of pure cultures of *Spirochaeta pallida*  
strains isolated in Stavropol. Vest. vener. no.3:23-27 May-June 1951.  
(CIML 20:11)

1. Prof. Gel'ttser. 2. Of Stavropol' Institute of Epidemiology and  
Microbiology (Director--L.I. Makhlinovskiy; Scientific Supervisor--  
Prof. R.R. Gel'ttser).

USSR/Medicine - Relapsing Fever

Mar 53

"Experiments on the Specific Therapy of Caucasian Tick-Transmitted Relapsing Fever," R. R. Gel'tser, O. P. Krylova, V. N. Bednova, Chair of Microbiology, Stavropol' Med Inst

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 3, p 79

Showed in experiments on guinea pigs that neither white streptococci, quinine, nor ethylene blue have a therapeutic effect on Caucasian tick-transmitted relapsing fever. Sulfidine has a therapeutic effect only in toxic (lethal) doses. Penicillin

244T50

also has a therapeutic effect only in toxic doses, but the toxicity could be eliminated by administering glucose to the animals. Introduction of penicillin together with agents which impede its resorption (e.g., fish liver oil) reduces the therapeutic effect of this antibiotic.

244T50

GEL'ISER, R. R.

USSR/Medicine - Modification of  
Microorganisms

Nov 53

"Data on the Investigation of Spirochete Granules. Granules of Tick-Born Spirochetes of Caucasian and Central-Asiatic Relapsing Fever as Non-Cellular Forms of These Spirochetes," R. R. Gel'iser, O. P. Krylova, Chair of Microbiol, Stavropol, Med Inst

Zhur Mikro, Epid, i Immun, No 11, pp 21-23

Transformation into filterable microgranules has been established not only in the case of bacteria, but also with reference to various species of

271T35

spirochetes. Although the existence of granules of various sizes formed from spirochetes or contained in the bodies of spirochetes was known for a long time, their significance was not apparent. It has now been found that after complete disappearance of relapsing fever spirochetes, these microorganisms develop again, apparently from the grains composed of noncellular matter.

271T35



GEL'TSER, R.R.

Data on the culture of *Spirochaeta pallida* and studies of its immunobiological properties. Vest. ven. i derm. no.3:35-41 My-Je '54. (MLRA 7:8)

1. Iz kafedry mikrobiologii (sav. prof. R.R.Gel'tser) Stavropol'skogo meditsinskogo instituta.  
(TREPONEMA PALLIDUM, culture, \*biol. & immun. aspects)

F-1

USSR/Microbiology - General Microbiology.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 47872

Author : Gel'tser, R.R., Krylovo, O.I.

Inst : -

Title : Materials on the Study of Spirochete Granules. Communication II. Some Conditions Resulting in the Appearance of Granules on the Tick-Borne Spirochetes of Recurrent Typhoid Fever.

Orig Pub : Zh Mikrobiol. Epidemiol. i Immunobiol. No 8, 91-97 (1956).

Abstract : The appearance of granules in spirochetes, which the authors consider as generative, pre- or noncellular forms, from which coiled or cellular forms can develop on transplantation (ZhMEI, 11, 21-23 (1953)), is induced by 10% NaHCO<sub>3</sub> solution, 10% KU solution, and 10-50% glycerine solution, as well as by various dyes--methylene blue, gentian violet, acid and basic fuchsin, neutral red, and cosin [TN: it is not clear whether the appearance of

Card 1/2

*Chair Microbiology, Stavropol Med Inst.*

GNL'TTSMR, R.R.; KRYLOVA, O.P.

Cultivation of different strains of tick-borne spirochetes of the  
Caucasian and Central Asiatic forms of relapsing fever. Med.paras.  
i paras.bol.supplement to no.1:49 '57. (MIRA 11:1)

1. Iz kafedry mikrobiologii Stavropol'skogo meditsinskogo instituta.  
(SPIROCHAETA)

QBL'TTSMB, R.R.; KRYLOVA, O.P.

Data on granules of spirochetes. Report No.3: Antigenic properties of granules of Spirochetes of Caucasian tick-borne recurrent typhus. Zhur.mikrobiol.epid. i immun. 28 no.9:65-66 S '57. (MIRA 10:12)

1. Iz kafedry mikrobiologii Stavropol'skogo meditsinskogo instituta. (RICKETTSIA PROVAZEKI, antigenic properties of granules from strains causing Caucasian tick-borne recur. typhus (Rus))

ABELEV, G.I., kand. med. nauk; BUKRINSKAYA, A.G., kand. med. nauk;  
GEL'TSER, R.R., prof.; GOLINEVICH, Ye.M., prof.; ZHDANOV, V.M.,  
 prof.; ZDRODOVSKIY, P.F., prof.; KALINA, G.P., prof.; KAULEN,  
 D.R., kand. med. nauk; KIKTENKO, V.S., prof.; KRYLOVA, O.P.,  
 kand. med. nauk; KUCHERENKO, V.D., kand. med. nauk; LOMAKIN,  
 M.S., kand. med. nauk; MOSING, G.S., doktor med. nauk; PERSHINA,  
 Z.G., kand. sel'khoz. nauk; PEKHOV, A.P., doktor biol. nauk;  
 PESHKOV, M.A., prof.; TIKHONENKO, T.I., kand. med. nauk;  
 TOVARNITSKIY, V.I., prof.; SHEN, R.M., prof.; ETINGOF, R.N.,  
 kand. med. nauk; KALININA, G.P., prof., nauchnyy red. тома;  
 ZHUKOV-VEREZHNIKOV, N.N., prof., otv. red.; VYGODCHIKOV, G.V.,  
 prof., zamest. otv. red.; TIMAKOV, V.D., prof., zam. otv. red.  
 BAROYAN, O.A., prof., red.; KALINA, G.P., red.; PETROVA, N.K.,  
 tekhn. red.

[Multivolume manual on the microbiology, clinic, and epidemiology  
 of infectious diseases]Mnogotomnoe rukovodstvo po mikrobiologii  
 klinike i epidemiologii infektsionnykh boleznei. Moskva, Medgiz,  
 Vol.2. [General microbiology]Obshchaya mikrobiologiya. Red. V.M.  
 Zhdanov. 1962. 535 p. (MIRA 16:1)

(Continued on next card)

GEL'TSER, Yu.G., uchitel'

Apparatus for observing the growth of root systems and soil  
microbes. Biol. v shkole no.5:28-33 S-0 '61. (MIRA 14:9)

1. **Srednyaya shkola No.544 Moskvy.**

(Botanical laboratories--Apparatus and supplies)

(Roots (Botany)) (Soil micro-organisms)

GEL'TSER, Yu.G.

Interrelationships of soil protozoans with the rhizosphere of some farm crops. Zool. zhur. 40 no.9:1304-1313 S '61. (MIRA 14:8)

1. Department of Soil Biology, Biologico-Pedecological Faculty, State University of Moscow.

(Rhizosphere microbiology) (Protozoa)

L 02199-67 EWT(m)/EWP(w)/T/EWP(t)/ETI/ENF(k) IJP(c) JD/HN

ACC NR: AR6031070

SOURCE CODE: UR/0277/66/000/007/0011/0011/

AUTHOR: Gelunova, Z. M. ; Pashkov, P. O. ; Tambovtseva, L. N.

TITLE: Characteristics of the shock wave effect on medium carbon steel with a martensite structure

SOURCE: Ref. zh. Mashinostr mat konstr i raschet detal mash. Gidrop. Abs. 7. 48. 70

REF SOURCE: Sb. Materialy Nauchn. konferentsii. Sovnarkhoz Nizhni-Volzhsk. ekon. r-na. Volgogradsk. politekhn. in-t. T. I. Volgograd, 1965, 275-279

TOPIC TAGS: martensite, carbon steel, shock wave, steel structure, austenitic steel

ABSTRACT: Studies were made of the characteristics of the effect of a powerful shock wave (200—300 kbar) on the structure and hardness of samples of 30KhGSA, 40Kh, and 65G steels hardened for low-tempered martensite. Explosive hardening has practically no effect on martensitic steel, which becomes even softer when subjected to a powerful compression shock wave. Its low capacity for hardening leads to rapid failure even under stresses by soft shock waves. A bibliography of 2 reference items is given. [Translation of abstract]

SUB CODE: 13/

Cord 1/1

UDC: 669.14.018:539.4:539.89



L 04289-67 EWT(m)/EWP(t)/ETI IJP(c) JH/JD  
ACC NR: AP6018951 SOURCE CODE: UR/0126/66/021/006/0939/0941

AUTHORS: Gelunova, Z. M.; Pashkov, P. O.

ORG: Volgograd Polytechnic Institute (Volgogradskiy politekhnicheskiy institut) <sup>48</sup><sub>43</sub> B

TITLE: Strength characteristics of condensed magnesium films <sup>21</sup><sub>4</sub>

SOURCE: Fizika metallov i metallovedeniye, v. 21, no. 6, 1966, 939-941

TOPIC TAGS: ragnesium, metal deposition, metal film, metal aging, metal vapor deposition

ABSTRACT: The change in the yield strength, microhardness, and resistance to deformation during compression shown by evaporated magnesium films (90 -- 150 microns) after annealing at various temperatures for different time intervals was studied. The effect of etching with 5% HCl on the film strength was also determined. The experimental results are presented in graphs and tables (see Fig. 1). It is concluded that the strength of evaporated magnesium films is determined mainly by the nature of the surface defects. The safety factor of the surface defects depends on the previous history of the film and also on the particular mechanical testing method employed in its determination. The authors point out that their results do not contradict other results on the relationship between the strength and thickness of evaporated films, or between the strength and mode of evaporation of

Card 1/2

UDC: 539.23+66.048.5

U 04207-07

ACC NR: AP6018951

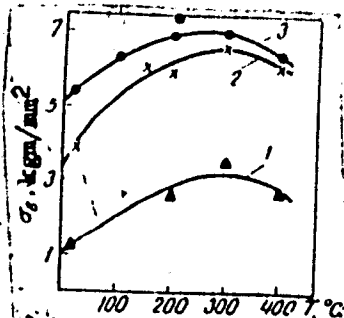


Fig. 1. The effect of annealing on the strength limit during elongation of magnesium films. 1 - double condensation onto a glass substrate; 2 - double condensation onto an aluminum substrate; 3 - single condensation onto an aluminum substrate.

such films, obtained earlier by L. S. Palatnik and A. I. Il'inskiy (DAN SSSR, 1962, 146, 79). They thank the following students who took part in the experimental work: V. V. Bereshney, N. A. Yerofeyev, and S. P. Pisarev. Orig. art. has: 2 tables and 2 graphs.

SUB CODE: 11/ SUBM DATE: 19Apr65/ ORIG REF: 006/ OTH REF: 001

Card 2/2

L 04979-01 ENR(m)/T/ENP(t)/ETI LIF(c) JD/JH  
 ACC NR: AR6031073 (A) SOURCE CODE: UR/0277/66/000/007/0014/0015 32  
 AUTHOR: Gelunova, Z. M.; Pashkov, P. O.; Tambovtseva, L. N.  
 TITLE: Effect of prestraining on the strength of age hardenable alloys, 5  
 SOURCE: Ref. zh. Mashinostr mat konstr i raschet detal mash. Gidropr, Abs. 7.48.100  
 REF SOURCE: Sb. Materialy Nauchn. konferentsii. Sovnarkhoz NizhneVolzhsk. ekon. r-na. Volgogradsk. politekhn. in-t. T. 1. Volgograd, 1965, 343-346  
 TOPIC TAGS: *aluminum alloy, beryllium alloy, beryllium copper, copper, metal aging, metal hardening,*  
 prestrained alloy aging, age hardenable alloy, aluminum alloy aging, beryllium copper aging, metal prestraining/D16 aluminum alloy, B2 beryllium copper  
 ABSTRACT: The hardness of D16, Duralumin and B2 beryllium copper, naturally aged after conventional upsetting with a reduction of up to 30% or after deformation of freshly solution-annealed specimens by a shock wave with a pressure of 200 kbar prior to the natural aging, has been investigated. If aging at room temperature increases the hardness of undeformed Duralumin to HV145, then prestraining by conventional upsetting or shock wave increases its hardness to HV170-175. The maximum increase is achieved after maximum deformation. Identical results were obtained for beryllium copper (aging done at 340 C and 300 C). A peculiarity of bronze is that its hardness decreases slightly when the time of exposure to the aging temperature exceeds 2 hr., which can be explained by the relaxation of the material. The investigation showed that significant additional strengthening of age-hardenable alloys  
 Card 1/2

L 04979-57

ACC NR: AR6031073

can be achieved by means of work hardening in freshly hardened condition prior to aging. [TD]

SUB CODE: 11, 13/ SUBM DATE: none

aluminum alloy

27

Card 2/2

*fdh*

GELUSHKO, L. I.

Gelushko, L. I., Prognoz pereformirovaniya beregov vodoyemov (Zarubezhnyy opyt) /Forecasting reformation of shores of reservoirs (Foreign Experience)/, Ministry of Transport Construction USSR. All-Union Scientific Research Institute of Transport Construction, Moscow, 1956, 10 pp., illus.; (RZhGeog 6/59-16369)

GELUTASHVILI, A.A.

Selecting the viscosity of the liquid for experimental investigations. Trudy GrusNIIGiM no.20:200-209 '58. (MIRA 15:5)  
(Hydraulic engineering--Research) (Viscosity)

GELUTASHVILI, A.A.

Three-dimensional modeling for constructing flow plans. Trudy  
Gruz NIIGiM no.21:183-194 '60. (MIRA 16:1)  
(Hydraulic models)

BEREZIN, F.V., inzh. (g.Leningrad); GOMBERG, I.V., kand.tekhn.nauk  
(g.Leningrad); GEL'VIT, Ya.K., inzh. (g.Leningrad); MAZURSKIY,  
E.M., inzh. (g.Leningrad); ~~TEB~~-MIKAELYANTS, G.S., inzh. (g.Leningrad)

Useful work on the fundamentals of railroad design ("Fundamentals  
of designing railroads with electric and diesel traction" by  
G.I. Chernomordik, IU.E. Ryvkin. Reviewed by F.V. Berezin and  
others). Zhel.dor.transp. 43 no.6:95-96 Je '61, (MIRA 14:7)  
(Railroad engineering) (Chernomordik, G.I.)  
(Ryvkin, IU.E.)



STOLEBUN, M.I., inzh.; GELYADOV, R.S., inzh.

Series of blastproof electric apparatuses for automating the loading part of a skip hoist. Ugol'. prom. no.6:44-48 N-D '62. (MIRA 16:2)

1. Institut "Giproniselektrosnakht".  
(Mine hoisting—Electric equipment)  
(Automatic control)

VASILEVSKIY, M.N., kand. tekhn. nauk; STOIBUN, M.I.; ELVAICV, R.S.

Automatic charging devices for the mine skip hoist. Avtor.  
i prib. no. 1:5-7 Ja-Mr '64. (MIRA 17:5)

CHERNOVA, Ia. Ia.

USSR/Chemistry - Polymers

Apr 1967

Chemistry - Surface tension

"The Surface Tension of Methyl Methacrylate During Polymerisation," B. K. Rutevskiy,  
and Ya. Ya. Gelysheva, 8 pp

"Zhur Fiz Khim" Vol XXI, No 4

Account of experimental data illustrated with 12 graphs and a table.

PA 14T101

GELYUKH, A.T., inzh.

Manufacture of canned "Squash caviar" in vacuum apparatus. Kons.  
i ov.prom. 17 no.4:37 Ap '62. (MIRA 15:3)

1. Dokshukinskiy konservnyy zavod.  
(Dokshukino--Vegetables, Canned)

GELYUKH, A. T.

Mechanization of loading and unloading operations. Kons. i ov.  
prom. 17 no.8:12-13 Ag '62. (MIRA 17:1)

1. Dokshukinskiy konservnyy zavod.

BELEVTSSEV, G.A.; GAVRILENKO, N.G.; GRINENKO, I.M.; KOROSTIK, P.O.;  
KOTEL'NIKOV, I.V.; KRASAVTSEV, N.I., kand. tekhn. nauk;  
MISHCHENKO, N.M.; POPOV, N.N., kand. tekhn. nauk; SEMIK, I.P.,  
kand. tekhn. nauk; TOTSKIY, G.P., kand. tekhn. nauk; SHESTOPALOV,  
I.I.; Prinimali uchastiye: SOLDATKIN, A.I.; SOLOMKO, V.P.;  
SOLOMATIN, A.M.; BOLOTSKIY, D.V.; ZAPOROZHETS, N.P.;  
BESSCHASTNIY, A.Ye.; SHVETS, N.Kh.; LIKHUNIN, S.D.; SHUMSKIY, L.B.;  
VAS'KOVICH, N.A.; YEROKHINA, A.I.; GELYUKH, B.A.

Desulfuration of pig iron in a fast-revolving and continuous  
drum. Met. i gornorud. prom. no.4:3-5 11-12 '65. (MIRA 18:10)

3391 OELYUKH I. D., PETUKHOV, I. M. AND KRASNOGLAZOV I. F.

Obyt raboty. shakhty im. Uritskogo v. rayone, opashom. Po gornym udaram.  
M., 1954. 20s s ill. 22 sm (M-vo ugol'noy Prom-sti sssp Tekhn. Upr.  
Tsentr. N-T tekhn informatsii) 3.000 ekz. Besnl (54-57350) ./622.333: 658.5  
+ 622.83.

GELYUKH, I.D.

Improving waste rock handling outfits on mine surfaces. Ugol'  
34 no.4:54-55 Ap '59. (MIRA 12:7)

1. Glavnyy inzhener tresta Lisichanskugol'.  
(Coal mines and mining--Equipment and supplies)



GELYUKH, I.D., gornyy inzh.; MOISEYEV, M.A., gornyy inzh.

Rigid supports for development workings affected by stoping operations. Ugol' 34 no.7:38-40 J1 '59. (MIRA 12:10)

1. Trent Lisichanskugol' Luganskogo sovarkhosa.  
(Roof bolting)

OMELYUKH, I.D., gornyy inzh.; MOISHYEV, M.A., gornyy inzh.

Working single seams by means of lateral drifts. Ugol' Ukr. 4 no.12:  
23-26 D '60. (MIRA 13:12)

(Mining engineering)

GELYUKH, I.D., gornyy inzhener; MOSIEYEV, M.A., gornyy inzhener

Selecting the flow sheets for the development and order of stoping of mining areas in the mines of the Disichanskugol' trust. Ugol' Ukr. no.6:1-5 Je '61. (MIRA 14:7)

1. Trest Lisichanskugol'.  
(Donets Basin—Coal mines and mining)

GEINYUKH, I.D.; KICHENOVA, M.M., Land. Lohm. nauk

Air cooling system, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 261

1. Glavnyy inst. Nauchn. Ispytaniy i Issledovaniy (Per. G.I.N.I.).
2. Vsesoyuznyy nauch. issled. i konstruktivnyy institut avtomaticheskogo upravleniya i gidromekhaniki (VNIIA) - (for Hydrotechn.)

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SO: SUB 284, 26 Nov 1954

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("An introduction to the history of mining and metallurgy  
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Vop. ist.est. i tekhn. no.1:303 '56. (MLRA 9:10)

(Bulgaria--Mining--History) (Koniarov, G.Z.)



15-57-3-3957  
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,  
pp 205-206 (USSR)

AUTHOR: Gelyuta, A. M.

TITLE: The Development of Ideas on the Use of Nontransporting  
Systems of Mining in Coal Sections of the USSR (Razvitiye  
idey primeneniya bestransportnykh sistem razrabotok na  
ugol'nykh razrezakh SSSR)

PERIODICAL: Vopr. istorii yestestvozn. i tekhniki, 1956, Nr 2,  
pp 217-226

ABSTRACT: The author presents a short history of the development  
of ideas in applying a nontransporting system of mining  
coal sections, illustrating his discussion with a number  
of diagrams of workings not found in actual practice.  
He shows that the mass introduction of nontransporting  
systems of operation, first used during World War II,  
solved the problem of increasing production and decreas-  
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KLOKOV, Mikhail Pavlovich, GELYUTA, Ye.Z., dots. dokt.  
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Masl.-zhir. prom. 27 no.6:25-27 Je '61. (MIRA 14:6)

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i gazovoy promyshlennosti imeni I. M. Gubkina.  
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(Phenol)



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POLAND / Microbiology. Medical and Veterinary Microbiology. P-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 22092

Author : Gembalya, Belyanskaya, Lyaskovnitskaya, Remin

Inst :

Title : A Study of Tuberculosis Bacteria Resistance to Antibiotics  
in the Process of Children's Tuberculous Meningitis.

Orig Pub: Pediatr. polska, 1956, 31, No 3, 307-316

Abstract: On investigation of spinal cord liquid of 325 children ill with tuberculous meningitis, tubercle bacteria (TB) were found in 71 cases. In 65% the strains were sensitive to and in 35% resistant to streptomycin and isoniazid. The percentage of fatalities and recoveries in both groups was the same. In examination 2-3 months after initiation of treatment the streptomycin resistance was observed 3 times more often than isoniazid resistance. In the anamnesis of 8 children infected with medication-resistant TB, a contact was found with an adult bacteria transmitter. Of 19 children in which streptomycin resistant TB was isolated, 13 became

Card : 1/2

-57-



POLAND / Microbiology. Medical and Veterinary Microbiology. P-5

Abs Jour: Referat Zh.-Biol., No 6, 25 March, 1957, 22092

well, and of 6 children in which hydrazide resistant TB were isolated only 1 child recovered. Bibl. 35 refs.

Card : 2/2

-58-

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84-85 J1 '57. (MIRA 10:10)

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(INSECTICIDES, injurious effects,  
phosphates, in spraying citrus trees (Rus))  
(PHOSPHATES, injurious effects,  
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USSR/ Minerals - Colored Clays

Card 1/1 : Pub. 86 - 23/34

Authors : Gembel", A. V.

Title : Mineral dye, "The Valdaisk Earth."

Periodical : Priroda 1, 113-114, Jan 1954

Abstract : The discovery of colored clays (green, red, violet, white), presumably of the Upper-Devonian period, in the Valdaisk territory of the Novogorod region in the USSR, is announced. The chemical composition of these clays is described.

Institution : .....

Submitted : .....

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(MLRA 7:6)

(Mata Valley--Water) (Water--Mata Valley)

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tekhn. red.

[Nature of Novgorod Province] Priroda Novgorodskoi oblasti;  
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Relief forms of northeastern Florida. Izv. Vses. geog. ob-va 96  
no. 4: 346-348 J1-4g '64. (MIRA 17:15)

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25(1)

PHASE I BOOK EXPLOITATION      SOV/3209

Nemykin, Nikolay Petrovich, and Aleksandr Yakovlevich Gembera

Otlivka krupnykh izlozhnits iz chuguna pervoy plavki (Casting of Large Ingot Molds from Hot Blast-furnace Metal), Khar'kov, Metallurgizdat, 1959. 88 p.  
3,100 copies printed.

Resp. Ed.: B.A. Noskov; Ed. of Publishing House: Ye.K. Sinyavskaya;  
Tech. Ed.: S.P. Andreyev.

PURPOSE: This book is intended for technical personnel at foundries who are engaged in the casting of ingot molds.

COVERAGE: The book describes the methods employed by the "Krivorozhstal" Metallurgical Plant (in Krivoy Rog) for the sand-mold casting of large ingot molds from hot blast-furnace metal. The authors also discuss the methods used by other Soviet plants. Attention is focussed on the preparation of molds and cores, use of hot metal as an ingot-mold material, shake-out of molds and cores and chipping and cleaning of ingot molds. In addition, ingot-mold defects and their causes are discussed, and measures for removing them are recommended. There are 31 references: 30 Soviet, 1 English.

Card 1/5

Casting of Large Ingot Molds (Cont.)

SOV/3209

TABLE OF CONTENTS:

Introduction	3
Ch. I. Choice in the Method of Mold Production	5
Ch. II. Construction of Flask Equipment and Ingot-Mold Patterns	10
Over-all dimensions of flasks	10
Copes	11
Cheeks	11
Draggs	13
Lanterns	14
Bottom plates	15
Patterns	17
Ch. III. Mold and Core Materials and Compounds	20
Preparation of clay suspension	22
Screening and transporting of sawdust	25
Ch. IV. Methods of Producing Sand Molds	26
Card 2/5	

Casting of Large Ingot Molds (Cont.)

80V/3209

Selecting the position of the mold for its production and filling	26
Molding of ingot molds	26
Sand-slinger molding	33
Preparation of mold coatings	34
Coating of molds and cores	36
Drying of molds and cores	37
Assembly of molds	39
Gating system	41
Ch. V. Application of Hot Blast-Furnace Metal for Casting Ingot Molds	45
Control of kish	45
Equipment for receiving and processing hot metal	49
Adjusting the chemical composition of hot metal	51
Ch. VI. Microstructure of Blast-Furnace Metal	60

Card 3/5

Casting of Large Ingot Molds (Cont.)	SOV/3209
Ch. VII. Teeming	64
Ch. VIII. Shake-out of Molds and cores	67
Cooling conditions for castings	67
Shake-out molds	68
Shake-out of cores	69
Reclaiming of burnt sand	71
Ch. IX. Chipping and Cleaning of Ingot Molds	77
Ch. X. Flaws in Ingots Cast from Hot Metal, Their Causes and Removal	79
Accumulation of large kish inclusions	79
Shrinkage cavities	79
Gas cavities	80
Sand inclusions	80
Local bulges	81
Differences in wall thickness	81
Seams and folds	81
Flash and leakage of iron from the mold	82
Cracks	82

Card 4/5

Casting of Large Ingot Molds (Cont.)	SOV/3209
Cinder patch	82
Dents	83
Ch. XI. Life of Ingot Molds	84
Bibliography	90
· AVAILABLE: Library of Congress (TS236.N4)	

Card 5/5

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SOV/133-60-1-30/30

AUTHORS: Cherkasov, L. M. (Candidate of Technical Sciences,  
Kolesnik, L. A. (Engineer), Gembera, A. Yo., Nemykin,  
N. P.

TITLE: Casting of Ingot Molds From Mixtures of Foundry and  
Conversion Cast Irons of First Melt

PERIODICAL: Stal', 1960, Nr 1 pp 93-95 (USSR)

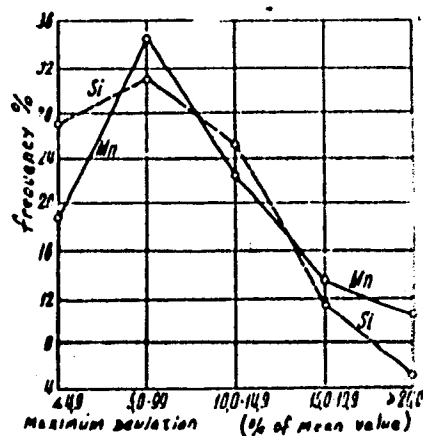
ABSTRACT: A mixture of the first melt of foundry and conversion  
cast iron was proposed, for casting ingot molds. The  
mixture should contain minimum 0.8% Si and maximum 2  
1.2% Mn. To achieve better mixing in ladle, pouring  
was done in the following order: (1) Hot foundry cast  
iron at minimum tapping temperature 1,3800° C and (2)  
conversion cast iron at temperature 1,300° C. Mixing  
of cast iron permits the use of cast iron within a  
wide range of chemical composition. As a result of  
such modification, the structure molds improves, and  
durability increases.

Card 1/4

Casting of Ingot Molds From Mixtures  
of Foundry and Conversion Cast Irons  
of First Melt

77469

SOV/133-60-1-30/30



Card 2/4

Maximum deviations in silicon and manganese content  
in mixed cast iron (frequency curve).



Casting of Ingot Molds From Mixtures of  
Foundry and Conversion Cast Irons  
of First Melt

(746)  
307/133-50-1-50/50

ASSOCIATION:

Durability for all types of the latter is 10-20% higher than that of molds from foundry cast iron; this is explained by the change in microstructure which in mixed cast iron has a higher content of pearlite and finer graphite inclusions (see Fig. 5). The metallographical investigations were done by Kvochina, Z. I. of Krivoy Rog Steel Plant ("Krivorozhstal"). There is 1 table; 7 figures; and 2 Soviet references.  
Dnepropetrovsk Metallurgical Institute and Krivoy Rog Steel Plant (Dnepropetrovskiy metallurgicheskiy institut i Zavod "Krivorozhstal")

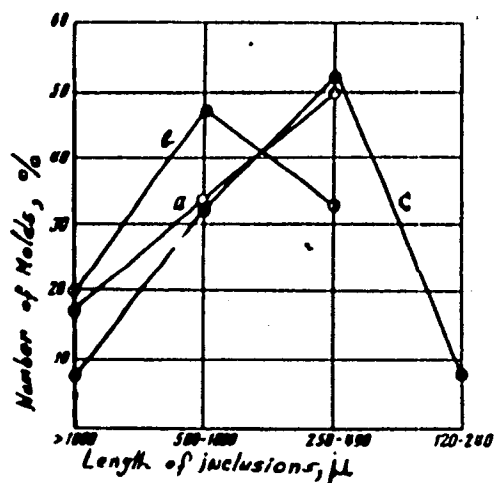
Card 3/4

Casting of Ingot Molds From Mixtures of  
Foundry and Conversion Cast Irons  
of First Melt

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Fig.5. Classification of molds according to size (length) of graphite  
inclusions in their structure (frequency curves).  
(a) Mold of foundry cast iron; (b) mold of conversion cast iron;  
(c) mold of mixed cast iron.



Card 4/4

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